

# Fortinet Product Matrix

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**FORTINET**  
EABLIDEL



# FortiGate Network Security Platform - \*Top Selling Models Matrix

	FG/FWF-30D	FG/FWF-60C	FG/FWF-60D	FG/FWF-90D	FG-100D	FG-200D	FG-240D	FG-280D-POE	FG-300C	FG-600C
Firewall Throughput (1518/512/64 byte UDP)	800 / 800 / 800 Mbps	1 / 1 / 1 Gbps	1.5 / 1.5 / 1.5 Gbps	3.5 / 3.5 / 3.5 Gbps	2.5 / 1 / 0.2 Gbps	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps	4 / 4 / 4 Gbps	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps
Firewall Latency	8 µs	4 µs	4 µs	4 µs	37 µs	2 µs	6 µs	2 µs	2 µs	7 µs
Concurrent Sessions	200,000	400,000	500,000	2 Mil	3 Mil	1.4 Mil	3.2 Mil	3.2 Mil	2 Mil	3 Mil
New Sessions/Sec	3,500	3,000	4,000	4,000	22,000	77,000	77,000	77,000	50,000	70,000
Firewall Policies	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	10,000	10,000
IPSec VPN Throughput	350 Mbps	70 Mbps	1 Gbps	1 Gbps	450 Mbps	1.3 Gbps	1.3 Gbps	1.3 Gbps	4.5 Gbps	8 Gbps
Max G/W to G/W IPSEC Tunnels	20	50	200	200	2,000	2,000	2,000	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	250	500	500	1,000	5,000	5,000	5,000	5,000	10,000	50,000
SSL VPN Throughput	25 Mbps	19 Mbps	30 Mbps	35 Mbps	300 Mbps	400 Mbps	400 Mbps	400 Mbps	200 Mbps	1 Gbps
Recommended SSL VPN Users	80	100	100	200	300	300	300	300	500	5,000
IPS Throughput	150 Mbps	135 Mbps	200 Mbps	275 Mbps	950 Mbps	1.7 Gbps	2.1 Gbps	2.1 Gbps	1.4 Gbps	4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	30 / 40 Mbps	20 / 40 Mbps	35 / 50 Mbps	35 / 65 Mbps	300 / 700 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	200 / 550 Mbps	1.3 / 2.8 Gbps
Max FortiAPs (Total / Tunnel)	2 / 2	10 / 5	10 / 5	32 / 16	64 / 32	64 / 32	64 / 32	64 / 32	512 / 256	1024 / 512
Max FortiTokens	20	100	100	100	1,000	1,000	1,000	1,000	1,000	1,000
Max Registered FortClient	10	200	200	200	2,000	2,000	2,000	2,000	2,000	2,000
Virtual Domains ( Default/Max)	-	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces (FE, GE ports)	5x GE RJ45	8x GE RJ45	10x GE RJ45	16x GE RJ45	20x GE RJ45, 2x Shared Port Pairs (100D only)	18x GE RJ45, 2x GE SFP	42x GE RJ45, 2x GE SFP	54x GE RJ45, 32x PoE GE RJ45, 4x GE SFP	10x GE RJ45	18x GE RJ45, 4x Shared Port Pairs, 2x Bypass Pairs
Interfaces (Others)	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	-	-	-	-	-	-
Local Storage	-	-	-	32 GB	32 GB	16 GB	32 GB	64 GB	32 GB	60 GB
Power Supplies	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS
Form Factor	Desktop	Desktop	Desktop	Desktop	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 2 RU	Rack Mount, 1 RU	Rack Mount, 1 RU
Variants	WiFi, POE	WiFi, Anal.Modem, Wifi+Ana.Modem, LENC, SFP, POE, ADSL	WiFi, POE, LENC	WiFi, POE, LENC	LENC, High port density, High port density + POE	LENC	-	-	DC, LENC	DC, LENC
	FG-800C	FG-1000C	FG-1240B	FG-1500D	FG-3240C	FG-3600C	FG-3700D	FG-3950B	FG-5001C	FG-5101C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	20 / 20 / 20 Gbps	40-44 / 40-44 / 38-42 Gbps	80 / 80 / 55 Gbps	40 / 40 / 40 Gbps	60 / 60 / 60 Gbps	160 / 160 / 110 Gbps	20-120 / 20-120 / 20-120 Gbps	40 / 40 / 40 Gbps	40 / 40 / 10 Gbps
Firewall Latency	6 µs	6 µs	7 µs	3 µs	4 µs	4 µs	2 µs	4 µs	4 µs	7 µs
Concurrent Sessions	7 Mil	7 Mil	5 Mil	12 Mil	10 Mil	28 Mil	44 Mil	20 Mil	29.5 Mil	10 Mil
New Sessions/Sec	190,000	190,000	120,000	250,000	200,000	235,000	300,000	250K - 300K**	210,000	235,000
Firewall Policies	10,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
IPSec VPN Throughput	8 Gbps	8 Gbps	16 - 18.5 Gbps	50 Gbps	17 Gbps	25 Gbps	100 Gbps	8 - 50.5 Gbps	17 Gbps	22 Gbps
Max G/W to G/W IPSEC Tunnels	2,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	50,000	50,000	64,000	64,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	1.3 Gbps	1.3 Gbps	370 Mbps	4 Gbps	3.4 Gbps	5.3 Gbps	6 Gbps	1.2 Gbps	850 Mbps	970 Mbps
Recommended SSL VPN Users	10,000	10,000	1,500	10,000	30,000	30,000	30,000	25,000	30,000	25,000
IPS Throughput	6 Gbps	6 Gbps	5 - 8 Gbps	11 Gbps	8 Gbps	14 Gbps	23 Gbps	5- 20 Gbps	9.8 Gbps	9.4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	1.7 / 3.1 Gbps	1.7 / 3.1 Gbps	1.2 / 1.6 Gbps	4.3 / 13 Gbps	2.6 / 9 Gbps	5.8 / 18 Gbps	7.5 / 18 Gbps	4 / 5 - 15 Gbps	3 / 4 Gbps	2 / 5 Gbps
Max FortiAPs (Total, Tunnel)	1024 / 512	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024	4096 / 1024
Max FortiTokens	1,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	2,000	8,000	8,000	8,000	16,000	16,000	16,000	16,000	16,000	16,000
Virtual Domains ( Default/Max)	10 / 10	10 / 250	10 / 250	10 / 250	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces	2x 10GE SFP+, 14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs	2x 10GE SFP+, 14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs	16x GE RJ45, 24x GE SFP	8 x 10GE SFP+/GE, 18x GE RJ45, 16x GE SFP	12x 10GE SFP+, 2x GE RJ45, 16x GE SFP	12x 10GE SFP+, 2x GE RJ45, 16x GE SFP	4 x 40GE QSFP+, 20 x 10GE SFP+/GE SFP, 8 x SFP+, 2 x GE RJ45	2x 10GE SFP+, 2x GE RJ45, 4x GE SFP	2x 10GE SFP+, 2x GE RJ45	4x 10GE SFP+, 2x GE RJ45
Local Storage	60 GB	120 GB	64 GB (384 GB Max)	240 GB	64 GB	128 GB	960 GB	256 GB	128 GB	64 GB
Power Supplies	Single AC Power Supply, opt. Dual PS or Ext RPS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Chassis Based	Chassis Based
Form Factor	Rack Mount, 1 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 3 RU	Rack Mount, 3 RU	Rack Mount, 3 RU	ATCA Blade	ATCA Blade
Variants	DC	DC, LENC	DC	-	DC	DC	-	DC, LENC	-	-
FG-VM01, FG-VM02, FG-VM04, FG-VM08 Virtual Appliances										
VM Supported	VMware ESX/ESXi 4.0/4.1/5.0/5.1, Citrix XenServer 5.6 SP2/6.0 or later, Open Source Xen 3.4.3/4.1 or later, Microsoft Hyper-V 2008 R2/2012, KVM, AWS									

\* Featured Top selling models, for complete FortiGate offerings please visit [www.fortinet.com](http://www.fortinet.com). Specifications based on FortiOS V5.0.6+

\*\* With FMC-XHO



## FortiManager

Centralized Management Platform - Tools that effectively manage Fortinet security infrastructure

	FMG-200D	FMG-300D	FMG-1000D	FMG-4000E	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	FMG-VM-U-UG
Max Licensed Devices/ADoms	30	300	800	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portals/Users	-	-	800	4,000	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/Day	2	2	2	2	1	2	5	10	25	50
Locally Hosted Security Content	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	1 / 4 (vNIC Min / Max)					
Storage Capacity	1x 1 TB	2x 2TB	4x 2 TB	8x 2 TB	80 GB / 16 TB (Min / Max)					



## FortiAnalyzer

Centralized Logging & Reporting - Logging, reporting and analysis from multiple Fortinet devices

	FAZ-200D	FAZ-300D	FAZ-1000D	FAZ-2000B	FAZ-3000E	FAZ-3500E	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100
GB Logs/Day	5	15	25	75	250	Unlimited*	1	+1	+5	+25	+100
Sessions/Day	18 Mil	55 Mil	85 Mil	260 Mil	850 Mil	Unlimited*	3.5 Mil	3.5 Mil	18 Mil	85 Mil	360 Mil
Max Log Rate (standalone Mode)	350	625	1,000	3,000	10,000	Unlimited*	-	-	-	-	-
Max. Licensed Devices/ADoms	150	200	2,000	2,000	2,000	2,000	10,000	10,000	10,000	10,000	10,000
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	6x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP	-	-	-	-	-
Storage Capacity	1x 1 TB	2x 2 TB	4x 2 TB	2x 2 TB (12 TB Max)	8x 2 TB (16 TB Max)	12x 2 TB (48 TB Max)	200 GB	+200 GB	+1 TB	+8 TB	+16 TB
RAID Support	No	Yes (Mirrored)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	-	-	-	-	-

\* Only restricted to the hardware platform performance (e.g. there are no software licensing limitations)



## FortiAP

Wireless Access Point - Extending FortiGate Wireless connectivity

	FAP-11C	FAP-14C	FAP-28C	FAP-112B	FAP-221B/223B	FAP-221C	FAP-222B	FAP-320B	FAP-320C
Target Environment	Remote	Remote	Remote	Indoor/Outdoor	Indoor	Indoor	Indoor/Outdoor	Indoor	Indoor
Number of Radio / Antennas	1 / 1 Internal	1 / 1 Internal	1 / 2 Internal	1 / 1 Internal	221B: 2 / 4 Int. 223B: 2 / 4 Ext.	2 / 4 Internal	2 / 4 External	2 / 6 internal	2 / 6 internal
TX / RX Streams (802.11n / ~802.11ac)	1x1 MIMO - 150 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO - 300 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO dual spatial stream - 600 Mbps Total	2x2 MIMO dual spatial stream - 1167 Mbps Total	2x2 MIMO dual spatial stream - 600 Mbps Total	3x3 MIMO with 3 spatial streams - 900 Mbps Total	3x3 MIMO with 3 spatial streams - 1750 Mbps Total
Total (Client access + Monitoring) Simultaneous SSIDs	8	8	8	8	16	16	16	16	16
Max Transmission Power	17dBm (50mW)	17dBm (50mW)	17dBm (50mW)	24 dBm (250mW) *	17dBm (50mW)	17dBm (50mW)	27dBm (500mW) hardware capable	24 dBm (250mW) *	24 dBm (250mW) *
Ethernet Interface	2x GE RJ45	5x FE	10x GE RJ45	2x FE	1x GE RJ45	1x GE RJ45	1x GE RJ45	2x GE RJ45	2x GE RJ45
Power over Ethernet (PoE)	-	-	-	802.3af	802.3af	802.3af	802.3at	802.3af / 802.3at	802.3af / 802.3at

\* Frequency selection and power may be restricted to abide by regional regulatory compliance laws.



## FortiSwitch

Access Switch - Wired connectivity for secured network access

	FSW-28C	FSW-80-POE	FSW-108D-POE	FSW-124B-POE	FSW-224B-POE	FSW-224D-POE	FSW-324B-POE	FSW-348B	FSW-448B
Total Interfaces	8 x GE RJ45 LAN, 2 x GE RJ45 WAN	8x GE RJ45 (Include 4x PoE)	8x GE POE RJ45 ports, 2x Shared Port Pairs	24x FE (include 12x PoE), 2x Shared Port Pairs	20 GE PoE RJ45, 4x Shared (PoE) Port Pairs	20x GE RJ45 ports (incl. 12 PoE), 4x GE Shared Port Pairs	16x GE PoE, 4x GE PoE+, 4x Shared Port Pairs	48 GE RJ45, 2x Shared Port Pairs	48 GE RJ45, 2x 10GE SFP+
Switch Capability	16 Gbps	2 Gbps	20 Gbps	8.8 Gbps	48 Gbps	48 Gbps	48 Gbps	96 Gbps	136 Gbps
FortiGate Switch Controller Support	Yes (Remote)	-	Yes	-	-	Yes	Yes	Yes	Yes



## FortiSwitch

Data Center Switch - High Performance switching

	FSW-248B-DPS	FSW-548B	FSW-1024D
Total Interfaces	48 GE RJ45, 4x 10GE SFP+, 1x mgmt	48x 10GE, 1x mgmt	24 x 1/10GE SFP/SFP+, 1x mgmt
Switch Capability	176 Gbps	960 Gbps	320 Gbps
			640 GbpsForti



## FortiSandbox

Advanced Threat Prevention - Proactive Detection and Mitigation against APTs & Unknown Threats

	FSA-1000D	FSA-3000D
VM Sandboxing (Files/Hour)	160	560
AV Scanning (Files/Hour)	6,000	15,000
Number of VMs	8	28



## FortiAuthenticator

Authentication Server - Identity Management, User Access Control and multi-factor identification

	FAC-200C	FAC-400C	FAC-1000D	FAC-3000D	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max Local/Remote Users/ User Group	500 / 500 / 25	2,000 / 2,000 / 50	10,000 / 10,000 / 2,000	40,000 / 40,000 / 4,000	100 / 100 / 10	+100 / +100 / +10	+1,000 / +1,000 / +100	+10,000 / +10,000 / +1,000	+100,000 / +100,000 / +10,000
Max FortiToken	500	2,000	10,000	40,000	200	+200	+2,000	+20,000	+200,000
Max NAS Devices	50	200	1,000	4,000	10	+10	+100	+1,000	+10,000
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x GE SFP	4x GE RJ45	-	-	-	-	-
Storage Capacity	1x 1 TB	1x 1 TB	2x 2 TB	2x 2 TB	60 GB / 2 TB (Min / Max)				



## FortiDDoS

Hardware Accelerated DDoS Defense - Intent Based Protection against DDOS

	FDD-400B	FDD-800B	FDD-1000B	FDD-2000B
Throughput (Full Duplex)	4 Gbps	8 Gbps	12 Gbps	24 Gbps
Simultaneous Connections	1 Mil	2 Mil	3 Mil	4 Mil
Session Setup/Tearardown	100 K/Sec	200 K/Sec	300 K/Sec	600 K/Sec



## FortiMail

Messaging Security - Advanced antispam and antivirus filtering capabilities, with extensive quarantine and archiving capabilities

	FML-200D	FML-400C	FML-1000D	FML-3000D	FML-5002B	FML-VM01	FML-VM02	FML-VM04	FML-VM08
Email Routing (Msg/Hr)	200,000	400,000	1.5 Mil	2.3 Mil	2.3 Mil	90,000	265,000	1.32 Mil	1.76 Mil
Performance AS+AV (Msg/Hr)	175,000	320,000	1.2 Mil	2.0 Mil	2.0 Mil	77,000	185,000	1.05 Mil	1.40 Mil
Email Domains	50	500	5,000	5,000	10,000	50	500	5,000	5,000
Server Mode Mailboxes	200	1,000	3,000	3,000	3,000	200	1,000	3,000	3,000
Storage Capacity	1x 1 TB	2x 1 TB	2x 2 TB	2x 2 TB (12 TB Max)	1x 146GB	50 GB - 1 TB	50 GB - 2 TB	50 GB - 4 TB	50 GB - 8 TB



## FortiWeb

Web Application Security - Web application firewall to protect, balance, and accelerate web applications

	FWB-400C	FWB-1000D	FWB-3000D/Fsx	FWB-4000D	FWB-VM02	FWB-VM04	FWB-VM08
Throughput (HTTP)	100 Mbps	750 Mbps	1.5 Gbps	4 Gbps	100 Mbps	500 Mbps	1 Gbps
Total Interfaces	4x GE RJ45	2x GE RJ45, 4x GE RJ45 Bypass, 2x GE SFP	6x GE RJ45, 2x GE Bypass /Fsx: 6x GE RJ45, 2x 10GE SFP+ Bypass	6x GE RJ45, 2x GE RJ45 Bypass, 2x GE SX Bypass, 2x 10GE SFP+ Bypass	-	-	-
Storage	1 Tb	2x 2 TB	2x 2TB	2x 2TB	40 GB / 2 TB (Min / Max)		



## FortiADC

Application Delivery Controllers - Optimize the availability, user experience, performance and scalability

	FAD-200D	FAD-300E	FAD-400E	FAD-600E	FAD-1000E	FAD-1500D	FAD-2000D	FAD-4000D	FAD-VM01/VM02/VM04/VM08
Throughput (HTTP)	2.7 Gbps	4.8 Gbps	8 Gbps	12 Gbps	15 Gbps	20 Gbps	30 Gbps	50 Gbps	Hardware Dependent
Total Interfaces	4x GE RJ45	6x GE RJ45	8x GE RJ45	2x 10GE, 8x GE RJ45	2x 10GE, 8x GE RJ45	4x 10GE, 8x GE RJ45	4x 10GE, 16x GE RJ45	8x 10GE, 16x GE RJ45	

### Also Available



### AscenLink

Link Load Balancer



### FortiBridge

Failopen Appliance



### FortiCache

Secure Web Caching



### FortiCamera

Network-based Video Security



### FortiClient

Host based Security Client



### FortiDB

Database Security



### FortiDNS

Secure DNS Caching



### FortiExtender

3G/4G WAN Extender



### FortiToken

2 Factor Authentication Token



### FortiVoice

Secure VoIP Solution

This document is provided as a convenient comparison of Fortinet products and services. The datasheet for any product or service can be found on [www.fortinet.com](http://www.fortinet.com) should be consulted for the most updated specifications.

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